

INFRASTRUCTURE COMMITTEE MEETING
6:00 p.m.

Monday, June 22, 2015
HAMPDEN TOWN OFFICE

A G E N D A

1. MINUTES – 05/26/2015 Meeting
2. OLD BUSINESS
 - a. Municipal Building/Pool Parking – Woodard & Curran
 - b. Hampden Route 1A Project Information
 - c. Old County Road Culvert Replacement Project – addition of manhole replacement – Public Works Director
3. NEW BUSINESS
 - a. Bridge inspection reports – Manning Mill Road
4. PUBLIC COMMENTS
5. COMMITTEE MEMBER COMMENTS

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INFRASTRUCTURE COMMITTEE MINUTES
Tuesday, May 26, 2015

Attending:

Councilor Dennis Marble	Councilor Terry McAvoy
Councilor William Shakespeare	Councilor Stephen Wilde
Mayor David Ryder	Susan Lessard, Town Manager
Randy Gardner, Gardner Construction	

The meeting was opened at 6 p.m. by Councilor Marble.

An item was added to the agenda under new business –

3. b – Request to Close Lower Coldbrook Road for Water District project – Randy Gardner of Gardner Construction attended the meeting to request permission from the Council to close the lower end of Coldbrook Road to all but local travel for a period of 7 - 10 days beginning June 8th to do a portion of the water line replacement project for the Hampden Water District. The Committee asked that proper notifications be made, that work was not also being done on Route 1A North at the same time, and that appropriate traffic control measures would be taken. Motion by Councilor McAvoy, seconded by Mayor Ryder to recommend to the full Council that permission be granted to Gardner Construction to close the lower end of Coldbrook Road for a period of 7-10 days beginning June 8th for a water line replacement project. Unanimous vote in favor.

1. MINUTES – 04/27/2015 Meeting – Motion by Councilor McAvoy, seconded by Councilor Shakespeare to approve the minutes as presented. Unanimous vote in favor.
2. OLD BUSINESS
 - a. Video/Audio Equipment Replacement – Motion by Councilor Wilde, seconded by Councilor McAvoy to recommend to the full Council to put the audio/video equipment replacement project out to bid. Unanimous vote in favor.
 - b. Flags Project – Councilor Shakespeare reported that he and former Councilor Tom Brann had put up the flags on the telephone poles. He indicated that many of the flag holders were in bad shape and that there were not sufficient flags for all the holders that were on the poles. There was extended discussion on how large a coverage area there should be, what the options were for different holders, and what the cost of holders and replacement flags would be. Councilor McAvoy said that he could make holders for the flags. Councilor Shakespeare will continue to research holders, the Town Manager will get firm prices on the flag/pole combination and this will be on the Infrastructure Committee agenda in June.
3. NEW BUSINESS
 - a. Well Pump Failure – Snowmobile Club – The Town Manager explained that there had been a line break in the water line to the cemetery that utilizes the well for the Snowmobile Club. As a result, the well was

pumped dry. Shortly after that, the pump failed. The Club has requested whether the Town will help with the pump replacement costs. Due to the age of the pump, the Town Manager recommended that the Town cover \$500, or approximately 25% of the cost. Motion by Mayor Ryder, seconded by Councilor Wilde to recommend to the Council that the Town fund \$500 of the replacement cost of the well pump at the Snowmobile Club due to the water line break at the cemetery that caused the well to be pumped dry. Unanimous vote in favor.

4. PUBLIC COMMENTS

5. COMMITTEE MEMBER COMMENTS

Mayor Ryder asked about having trash cans in cemeteries, reported that Jamie Leonard would be starting work on repair of the wall in front of Dorothea Dix Park, and asked about the status of parking expansion at the pool and the town office. The Manager will invite Jim Wilson of Woodard and Curran to the next meeting to discuss the parking expansion options that may require a Site Plan through the DEP.

Councilor Shakespeare asked why there was no water at Dorothea Dix Park on Memorial Day weekend. He also reported that Snowman's printing would be doing all the printing for Children's Day at no charge.

Councilor McAvoy asked if there were signs at Dorothea Dix and at Cemeteries stating that the water provided was not for drinking. The Manager will check on that.

The meeting was adjourned at 6:55 p.m.

Respectfully submitted,

Susan Lessard
Town Manager



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Susan Lessard <manager@hampdenmaine.gov>

Route 1A Hampden project

1 message

Dianne Rice <dianner@bactsmmpo.org>

Mon, Jun 15, 2015 at 12:05 PM

To: "Susan Lessard (manager@hampdenmaine.gov)" <manager@hampdenmaine.gov>

Sue

The State has come back to us offering to lend BACTS the funds to do the entire 1.73 miles of 1A to complete the project. At the meeting tomorrow we will be asking the Committee to decide which scope to move forward with. Continuing with the complete reconstruction – removing the concrete base or doing a widening, close drainage and the side walk – which is about \$1,000,000 less. The Town will have to agree to the 10% local share and most likely this will get advertised and built in 2019 could even be 2020. Those details will be worked out later. The town should currently have \$120,000 allocated as match to the \$1,200,000 BACTS funded in 2016-17 workplan and this should be deducted from the following numbers. The local share for the complete reconstruction would be approximately \$565,000 (less the \$120,000 already allocated) and the 10% share for the less expensive widening would be \$465,000 (less the \$120,000 already allocated). The funds would need to be available as I previously discussed with you PE, right of way and 50% of construction costs at Advertisement Date and the remainder as it is billed out.

I wanted to give you the heads up on the conversation we will be having. Let me know if you have any further questions or want to discuss further.

Dianne

Dianne Rice

Transportation Technician



12 Acme Rd. Suite 102, Brewer Maine 04412 - 207-974-3111



TOWN OF HAMPDEN
DEPARTMENT OF PUBLIC WORKS

106 WESTERN AVE.
HAMPDEN, ME 04444

TEL 862-3337

FAX 862-3910

June 16, 2015

To: Susan Lessard
From: Sean Currier
Subject: Existing manhole replacement in conjunction with new
sewer installation on Main Road N at Old County Road.

It is my understanding that Ted Berry Company is doing a sewer pipe bursting project for the Town of Hampden in conjunction with the water main replacement on Main Road N, contracted to Gardner Construction.

It would be my recommendation to replace the existing, marginal condition, barrel block structures on both ends at the time of the sewer pipe renewal. The contractor will be digging pits to allow for pipe bursting regardless. In my opinion, it would be more cost effective and efficient for all parties to remove the existing structures and perform the pipe service as contracted, then install new precast concrete structures. A significant portion of the existing problem is no invert in the downstream structure, therefore causing material to backup and the sewer to surcharge and additional maintenance time by the Public Works crew.

The additional cost to install (2) two new precast concrete structures by Gardner Construction would be \$9,700.00.

*Please refer to the attached pictures of the manholes in question and quote from Gardner Construction.

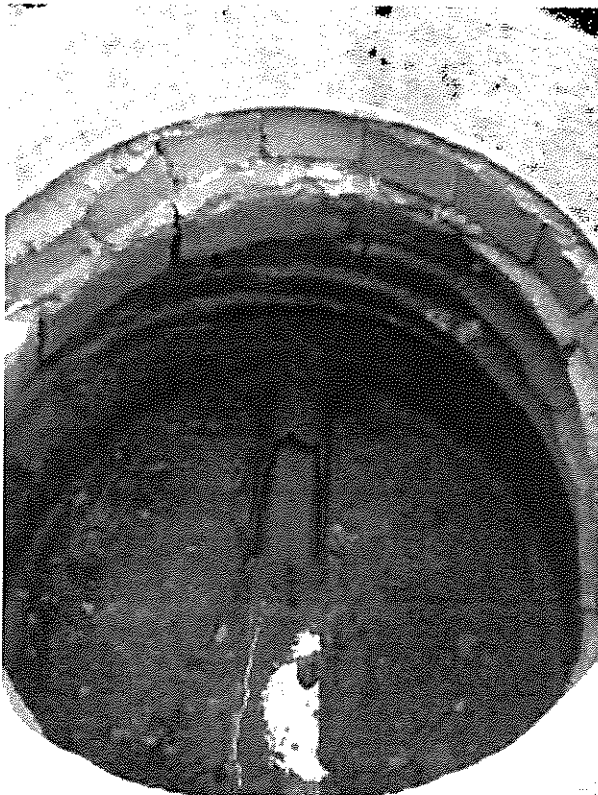
Thank you for your consideration.

Sincerely,

Sean Currier



MH 91



MH 92



Sean Currier <publicworks@hampdenmaine.gov>

Manhole Replacements 1A

2 messages

Randy Gardner <randy@gardnerconstructionenterprises.com>

Tue, Jun 16, 2015 at 11:16 AM

To: "Sean Currier (Publicworks@Hampdenmaine.gov)" <Publicworks@hampdenmaine.gov>

Cc: Tom Jewell <Tom@gardnerconstructionenterprises.com>

Sean,

The cost for replacing these 2 manholes would be 9,700.00

This includes supply and installation of 2 manholes.

Precast inverts.

Reuse of frames and covers if not broken or deteriorated.

Pavement patching

Bypass pumping as needed.

If you have any questions, please give me a call.

Randy Gardner

Gardner Construction Enterprises LLC

P.O. Box 6209

Hermon, Maine 04402

(207) 478-6369 FAX (207) 945-3595

randy@gardnerconstructionenterprises.com

www.gardnerconstructionenterprises.com

Sean Currier <publicworks@hampdenmaine.gov>

Tue, Jun 16, 2015 at 11:58 AM

To: Randy Gardner <randy@gardnerconstructionenterprises.com>

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 3366 Agency ID: 3366 SR: 27.2 SD/FO: SD

IDENTIFICATION

State 1: 23 Maine Struc Num 8: 3366
 Facility Carried 7: MANNING MILLS RD Location 9: 1.1 MI N RT 202
 Rte (On/Under) 5A: Route On Structure Rte. Signing Prefix 5B: 5 City Street
 Level of Service 5C: 0 None of the below Rte. Number 5D: 00000
 Directional Suffix 5E: 0 N/A (NBI) % Responsibility: 0
 SHD District 2: 04 Eastern County Code 3: 019 Penobscot
 Place Code 4: 10280 Hampden Mile Post 11: 0.180 mi
 Feature Intersected 6: SQUADABSCOOR STR
 Latitude 16: 44d 45' 36" Longitude 17: 068d 53' 06"
 Border Bridge Code 98: Not Applicable (P)
 Border Bridge Number 99: n/a

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 2
 Main Span Material/Design 43A/B:
 3 Steel 02 Stringer/Girder
 Deck Type 107: 8 Wood or Timber
 Wearing Surface 108A: 6 Bituminous
 Membrane 108B: 2 Preformed Fabric
 Deck Protection 108C: None

AGE AND SERVICE

Year Built 27: 1996 Year Reconstructed 106: 0
 Type of Service on 42A: 1 Highway
 Type of Service under 42B: 5 Waterway
 Lanes on 28A: 1 Lanes Under 28B: 0 Detour Length 19: 99.9 mi
 ADT 29: 59 Truck ADT 109: 5 % Year of ADT 30: 2013

GEOMETRIC DATA

Length Max Span 48: 30.0 ft Structure Length 49: 67.0 ft
 Curb/Sidewalk Width L 50A: 0.6 ft Curb/Sidewalk Width R 50B: 0.6 ft
 Width Curb to Curb 51: 15.1 ft Width Out to Out 52: 16.0 ft
 Approach Roadway Width 32: 14.0 ft Median 33: 0 No median
 (w/ shoulders)
 Deck Area: 1,072.1 sq. ft
 Skew 34: 0.00 ° Structure Flared 35: 0 No flare
 Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 15.00 ft
 Minimum Vertical Clearance Over Bridge 53: 327.8 ft
 Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR
 Minimum Vertical Underclearance 54B: 0.0 ft
 Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR
 Minimum Lateral Underclearance R 55: 327.8 ft
 Minimum Lateral Underclearance L 56: 0.0 ft

INSPECTION

Frequency 91: 24 months Inspection Date 90: 6/16/2014 Next Inspection: 06/16/2016
 FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA
 UW Frequency 92B: 24 months UW Inspection Date 93B: 8/27/2013 Next UW Inspection: 8/27/2015
 SI Frequency 92C: NA SI Date 93C: NA Next SI: NA
 Element Frequency: 24 months Element Inspection Date: 06/16/2014 Next Elem. Insp. Due: 06/16/2016

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists
 Direction of Traffic 102: 3 1-lane Br for 2-way Temporary Structure 103: Not Applicable (P)
 Highway System 104: 0 Not on NHS NBIS Length 112: Long Enough
 Toll Facility 20: 3 On free road Functional Class 26: 09 Rural Local
 Defense Hwy 110: 0 Not a STRAHNET hwy Historical Significance 37: 4 Hist sign not determin
 Owner 22: 03 Town/Township Hwy Agency
 Custodian 21: 03 Town/Township Hwy Agency

CONDITION

Deck 58: 6 Satisfactory Super 59: 5 Fair Sub 60: 3 Serious
 Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 5 Bank Prot Eroded

LOAD RATING AND POSTING

Inventory Rating Method 65: 3 LRFR Load & Res. Operating Rating Method 63: 3 LRFR Load & Res. F.
 Inventory Rating 66: HS10.5 Operating Rating 64: HS12.6
 Design Load 31: MS 22.5 or greater Posting 70: 0 >39.9% below
 Posting status 41: A Open, no restriction

APPRAISAL

Bridge Rail 36A: 0 Substandard Approach Rail 36C: 0 Substandard
 Transition 36B: 0 Substandard Approach Rail Ends 36D: 0 Substandard
 Str. Evaluation 67: 3 Deck Geometry 68: 7 Above Min Criteria
 Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)
 Waterway Adequacy 71: 9 Above Desirable Approach Alignment 72: 8 Equal Desirable Crit
 Scour Critical 113: 8 Stable Above Footing

PROPOSED IMPROVEMENTS

Bridge Cost 94: NA Type of Work 75: Unknown (P)
 Roadway Cost 95: Unknown Length of Improvement 76:
 Total Cost 96: Unknown Future ADT 114: 89
 Year of Cost Estimate 97: Unknown Year of Future ADT 115: 2033

NAVIGATION DATA

Navigation Control 38: 0 Permit Not Required
 Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft
 Pier Protection 111: Not Applicable (P) Lift Bridge Vertical Clearance 116: 0.0 ft

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	32/2	Timber Deck/AC Ovl	(SF)	1,072	0 %	0	100 %	1,072	0 %	0	0 %	0	0 %	0
1	107/2	Paint Str Opn Girder	(LF)	335	0 %	0	0 %	0	50 %	168	50 %	168	0 %	0
1	210/2	R/Conc Pier Wall	(LF)	25	0 %	0	50 %	13	0 %	0	50 %	13	0 %	0
1	215/2	R/Conc Abutment	(LF)	50	40 %	20	60 %	30	0 %	0	0 %	0	0 %	0
1	218/2	Undefined Wall Elem.	(LF)	22	0 %	0	25 %	5	50 %	11	25 %	5	0 %	0
1	311/2	Moveable Bearing	(EA)	20	0 %	0	90 %	18	10 %	2	0 %	0	0 %	0

Structure Inventory and Appraisal Sheet (English Units)

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	332/2	Timb Bridge Railing	(LF)	134	100 %	134	0 %	0	0 %	0	0 %	0	0 %	0
1	361/2	Scour Smart Flag	(EA)	1	0 %	0	0 %	0	100 %	1	0 %	0	0 %	0
1	383/2	Wear Surf- AC+Membr.	(SF)	1,070	0 %	0	100 %	1,070	0 %	0	0 %	0	0 %	0
1	388/2	Paint	(SF)	3,550	0 %	0	0 %	0	0 %	0	100 %	3,550	0 %	0
Str Unit	Elm/Env	Description	Element Notes											
1	32/2	Timber Deck - w/ AC Overlay	< none >											
1	107/2	Painted Steel Open Girder/Beam	Girders delaminated rust flaking off 1/4" thick (see photos)											
1	210/2	Reinforced Conc Pier Wall	Sever undermining.											
1	215/2	Reinforced Conc Abutment	< none >											
1	218/2	Undefined Wall Elem (Incl. Wing-)	< none >											
1	311/2	Moveable Bearing (roller, sliding, e	< none >											
1	332/2	Timber Bridge Railing	< none >											
1	361/2	Scour	Center pier sever undermining.											
1	383/2	Wearing Surface - AC & Membrane	< none >											
1	388/2	Paint (Dummy Element)	Paint failed.											

BRIDGE NOTES

2 Simple span bridge w/steel rolled girders on concrete abutments and pier. Timber deck and bituminous W/S.

PAST INSPECTION

Inspection Date: 06/16/2014

Type: 1 Regular NBI

Inspector: DTJHARR

Pontis User Key: DTJHARR - STEV

Scope:

NBI: ☒Other: ☐Element: ☒Underwater: ☐Fracture Critical: ☐

INSPECTION NOTES

SUBSTRUCTURE: Both abutments have map cracking spaced sporadically across breastwall. No undermining seen or expected. Pier wall also has sporadic map cracking however, dive report indicates a large area of undermining which has not been addressed

SUPERSTRUCTURE: All stringers have lost their paint. Rust flaking along bottom flanges and some sporadic dimpling due to corrosion. Bearings also appear to have lost their paint. Very difficult to see if any corrosion exists. Deck planking in generally good condition.

Wearing surface is in fair condition with at least 4 transverse cracks.

Please refer to most recent dive report for channel details.

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 08/27/2013 Type: C UW-State force SCUBA
Inspector: DTCEDWA Pontis User Key: DTCEDWA - CAR

Scope:

NBI: ☐ Other: ☐ Element: ☐
Underwater: ☒ Fracture Critical: ☐

INSPECTION NOTES

SUBSTRUCTURE: Both abutments have map cracking spaced sporadically across breastwall. No undermining seen or expected. Pier wall also has sporadic map cracking however, dive report indicates a large area of undermining which has not been addressed

SUPERSTRUCTURE: All stringers have lost their paint. Rust flaking along bottom flanges and some sporadic dimpling due to corrosion. Bearings also appear to have lost their paint. Very difficult to see if any corrosion exists. Deck planking in generally good condition.

Wearing surface is in fair condition with at least 4 transverse cracks.

PAST INSPECTION

Inspection Date: 11/01/2012 Type: 1 Regular NBI
Inspector: Pontis Pontis User Key: Pontis - Pontis Poi

Scope:

NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

SUBSTRUCTURE: Both abutments have map cracking spaced sporadically across breastwall. No undermining seen or expected. Pier wall also has sporadic map cracking however, dive report indicates a large area of undermining which has not been addressed

SUPERSTRUCTURE: All stringers have lost their paint. Rust flaking along bottom flanges and some sporadic dimpling due to corrosion. Bearings also appear to have lost their paint. Very difficult to see if any corrosion exists. Deck planking in generally good condition.

Wearing surface is in fair condition with at least 4 transverse cracks.

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 11/01/2011 Type: C UW-State force SCUBA
Inspector: DTCEDWA Pontis User Key: DTCEDWA - CAR

Scope:

NBI: ☐ Other: ☐ Element: ☐
Underwater: ☒ Fracture Critical: ☐

INSPECTION NOTES

PAST INSPECTION

Inspection Date: 06/16/2010 Type: 1 Regular NBI
Inspector: DTPBELA Pontis User Key: DTPBELA - PAUL

Scope:

NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

Structure is in serious condition. The center pier is undermined over 4 feet under and 3 + feet deep to deep to wade to get accurate measurements. Refer to 2009 under water inspection. The girders are delaminating 1/4" thick rust flaking off. Foundation is ledge unsure under pier.

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 06/17/2009

Type: C UW-State force SCUBA

Inspector: DTCEDWA

Pontis User Key: DTCEDWA - CAR

Scope:

NBI: ☐Other: ☐Element: ☐Underwater: ☒Fracture Critical: ☐

INSPECTION NOTES

Structure is in serious condition. The center pier is undermined over 4 feet under and 3 + feet deep to deep to wade to get accurate measurements. Placed structure on dive list to dive on pier only. The girders are delaminating 1/8 inch thick rust flaking off. Foundation is ledge unsure under pier.

PAST INSPECTION

Inspection Date: 08/27/2008

Type: 1 Regular NBI

Inspector: DTPBELA

Pontis User Key: DTPBELA - PAUL

Scope:

NBI: ☒Other: ☐Element: ☒Underwater: ☐Fracture Critical: ☐

INSPECTION NOTES

Structure is in serious condition. The center pier is undermined over 4 feet under and 3 + feet deep to deep to wade to get accurate measurements. Placed structure on dive list to dive on pier only. The girders are delaminating 1/8 inch thick rust flaking off. Foundation is ledge unsure under pier.

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 08/21/2006

Type: 1 Regular NBI

Inspector: DTPBELA

Pontis User Key: DTPBELA - PAUL

Scope:

NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

Structure is in serious condition. The center pier is undermined over 4 feet under and 3 + feet deep to deep to wade to get accurate measurements. Placed structure on dive list to dive on pier only. The girders are delaminating 1/8 inch thick rust flaking off. Foundation is ledge unsure under pier.

PAST INSPECTION

Inspection Date: 08/19/2004

Type: 1 Regular NBI

Inspector: -1

Pontis User Key: PJB

Scope:

NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

INSPECTOR WORK CANDIDATES

Work Candidate ID	Action	Object	Agency Status	Agency Priority	Assigned to a Project	Rec. Date
A-DOT001-0C7C2AE8-00000030	Repl Paint	Paint Stl Opn Girder	Approved	High	No	6/16/2014
A-DOT001-0C7C2AE8-0000002E	Rehab Elem	R/Conc Pier Wall	Approved	High	No	6/16/2014
A-DOT001-0C7C2AE8-00000032	Pr Maint	Moveable Bearing	Approved	High	No	6/16/2014